C. E. WEIBLEY.

ROPE AWNING.

APPLICATION FILED FEB. 3, 1914.

1,171,571.

Patented Feb. 15, 1916.

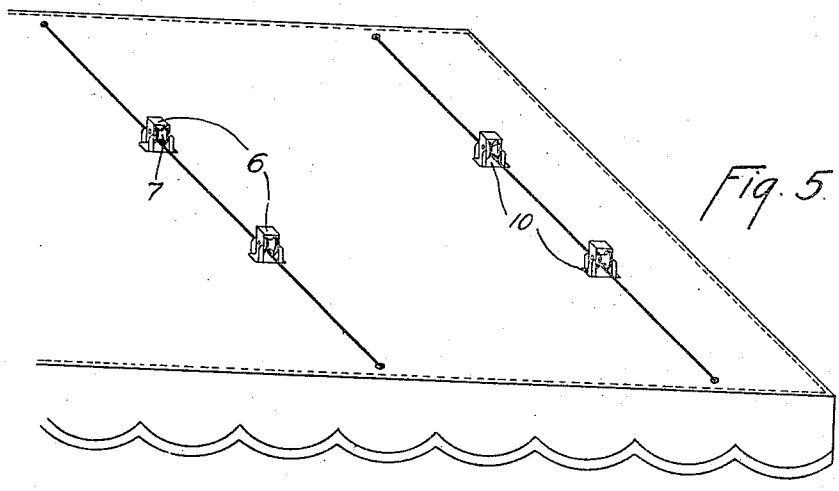


Fig. 5.

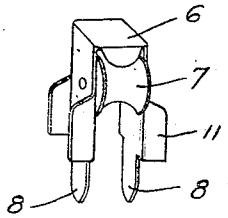


Fig. 1.

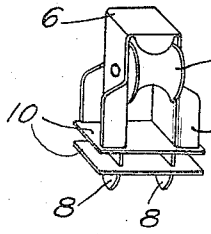


Fig. 2.

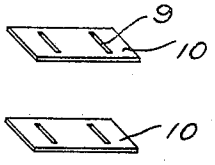


Fig. 4.

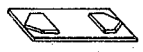


Fig. 3.

WITNESSES:

D. Lon. Aro.

E. W. McAllister

INVENTOR.

Charles E. Weibley

BY

HIS ATTORNEY IN FACT

UNITED STATES PATENT OFFICE.

CHARLES E. WEIBLEY, OF HARRISBURG, PENNSYLVANIA.

ROPE-AWNING.

1,171,571. Specification of Letters Patent. Patented Feb. 15, 1916.

Application filed February 3, 1914. Serial No. 816,288.

To all whom it may concern:

Be it known that I, CHARLES E. WEIBLEY, a citizen of the United States, residing at Harrisburg, Dauphin county, Pennsylvania, have invented a new and useful Pulley to be Used in the Manufacturing of Rope-Awnings, of which the following is a specification.

This invention relates to awnings or similar shades, and has for an object to produce a new and improved rope guide for use in connection with articles of this character.

This and other objects I attain by means of the device illustrated in the drawings accompanying this application and forming a part thereof.

In the drawings: Figure 1 is a perspective view of a pulley and its housing; Fig. 2 is a perspective view of a pulley and its housing shown in connection with a clamp plate which forms a detail of my invention; Fig. 3 is a plan view from below of a clamp plate and shows the prongs of the pulley housing bent so as to lock the pulley in engagement with the plate; Fig. 4 is a perspective view of two clamp plates showing the prong engaging apertures formed therein; and Fig. 5 is a perspective view of an awning equipped with rope guides embodying my invention.

The rope guide illustrated as an embodiment of my invention includes a housing 6 in which a pulley 7 is rotatably mounted. The housing is provided with two plate engaging prongs 8 which are adapted to be inserted through apertures 9 provided in a support or clamp plate 10 which is employed in securing the guide to the fabric of the awning or shade. The housing is also provided on each side of the pulley with divergent flanges 11 which form shoulders on the housing adapted to abut against the adjacent clamp plate and to form a support for the housing. As illustrated, the flanges are curved outwardly so as to form a guide for the rope 12, which is so located that it passes between the pulley and the adjacent clamp plate.

Two of the clamp plates are ordinarily employed in securing the pulley to the fabric of the shade, one being located on each side of the fabric and in such relation that their apertures 9 register or are located opposite to each other. The pulley is mounted on the fabric by inserting its prongs 8 through the apertures 9 of the two plates and also through the fabric and then bending the prongs either inwardly or outwardly as shown in Fig. 3 against the face of the plate located on the under side of the fabric.

In accordance with the requirements of the Patent Statutes I have described in detail what I now consider to be the preferred embodiment of my invention, but it will be apparent to those skilled in the art that various changes, substitutions, modifications, omissions, and additions may be made in the apparatus illustrated without departing from the spirit and scope of my invention as set forth by the appended claims.

What I claim is:

1. In combination with an awning, a rope guide comprising a pulley, rigid support plates rigidly mounted on opposite sides of the awning material, and a metal housing for the pulley rigidly secured to said plates.

2. In combination with an awning composed of flexible material, a rope for raising the awning, a rope guide comprising a pulley, a housing in which the pulley is rotatively mounted and through which the rope passes, and means for rigidly mounting the housing in an upright position on the flexible material so that it stands at right angles to the portion of the material to which it is secured.

3. In combination with an awning composed of flexible material, a rope-guide support, comprising a rigid flat plate rigidly secured to the material so that one of its flat faces engages a portion of the material and lies flat against it, and a rope-guide comprising a rotatably mounted pulley rigidly secured to said flat plate.

4. In combination with a shade composed of flexible material, a rope-guide comprising a rotatable pulley, a housing in which said pulley is rotatably mounted, and rigid plates located on opposite sides of said material and rigidly secured thereto and to which said housing is rigidly secured.

5. In combination with a shade, composed

of flexible material, a rigid rope-guide support mounted on and reinforcing and stiffening the awning material at the point of connection of the rope-guide, and a rope-guide rigidly mounted on the material and rigidly secured to the rope-guide support so that it occupies an invariable position with relation to the portion of the material to which it is secured.

CHARLES E. WEIBLEY.

Witnesses:
H. D. WEIBLEY,
SIMON N. CLUCK.